Philips 8000 series
LCD TV with Ambilight Spectra and Pixel Precise HD

42"
Full HD 1080p digital TV

42PFL8654H

Enjoy a movie night in

with Ambilight

Treat yourself to a movie night in. Enjoy the pleasure of the movies in your living room with Pixel Precise HD and the immersive power of Ambilight.

Immersive viewing experience
- Ambilight Spectra enhances the viewing experience

See precise details in action
- Pixel Precise HD for extremely sharp and clear pictures
- Full HD LCD display, with a 1920x1080p resolution
- Perfect Natural Motion for ultra smooth Full HD movies
- 100Hz LCD, 3ms performance for superb motion sharpness

Exciting and powerful sound
- 2x12W with BBE for fresh, clear sound

Connect and enjoy the online world
- Net TV for popular online services on your TV
- DLNA PC network link for watching videos from your computer

Ready for digital
- MPEG4 HDTV reception via DVB-T and DVB-C tuner with CI+*

NL/22/001

PHILIPS
sense and simplicity

Highlights

Ambilight Spectra

Add a new dimension to your viewing experience with Ambilight Spectra. This patented Philips technology enlarges the screen further by projecting a glow of light from the back of the screen onto the surrounding wall. Ambilight adjusts automatically the colour and brightness of the light surrounding the TV to match with the picture, creating an immersive viewing experience. With Ambilight Spectra movies truly come to life!

Full HD LCD display 1920x1080p

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

Net TV

Experience a rich selection of online services with Net TV. Enjoy movies, pictures, infotainment and other online content directly on your TV whenever you like. Simply connect your TV directly to your home network through the ethernet connection, and navigate and select what you want to watch with the TV remote control. The Philips menu gives you access to popular Net TV services fitted for your TV screen. Additionally, with the DLNA certified PC network you can watch videos or access pictures stored on your computer using your TV remote control.

Perfect Natural Motion

Enjoy the action without any judder. Perfect Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and pre-recorded movie material (including 1080p movies and 24p True Cinema on Blu-ray and DVD). The result is even smoother and quieter pictures with excellent sharpness. Enjoy motion performance that surpasses cinema quality!

100Hz LCD (3ms)

100Hz LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a performance with a response time of 3 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

2x12W with BBE

BBE high definition sound is the core sound enhancement technology (licensed by BBE Sound) that will enable you to experience real natural music, speech intelligibility with rich and clear audible vocals.

DLNA PC network link for video

DLNA PC network link lets you watch videos, view pictures and listen to music from your PC

MPEG4 DVB-T/C tuner with CI+*

HDTV allows you to watch TV in the best possible picture and sound quality, without additional set-top box. Thanks to the built in tuner that supports DVB-Terrestrial and DVB-Cable signals for both MPEG-2 and MPEG-4 formats, you receive high definition TV programs in exceptional quality. Moreover, with Common Interface Plus (CI+) you benefit from premium high definition content directly on your TV.

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ECO Flower

Over the last 10 years we have worked hard to lower our environmental impact and will continue to do so. Our eco-design process aims to create Philips televisions that are increasingly eco-friendly and that have significantly less impact on the environment. Philips has been awarded the EU ECO label (the flower) on the majority of its models because of the televisions' high energy efficiency, ultra low standby powers (up to 50% less than the required EU ECO label level), absence of hazardous substances (e.g. lead) and that Philips has designed televisions that can be easily recycled.

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42" Full HD 1080p digital TV

42PFL8654H/12

Specifications

Picture/Display
- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 80,000:1
- Response time (typical): 3 ms
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size: 42 inch / 107 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920x1080p
- Picture enhancement: Pixel precise HD, Perfect Natural Motion, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Digital Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, Progressive scan, 2D/3D noise reduction, 100Hz LCD
- Screen enhancement: Anti-Reflection coated screen
- Color processing: 4 trillion colors (14bit RGB)

Ambilight
- Ambilight Features: Ambilight Spectra, Lounge light mode
- Dimming Function: Manual and via Light Sensor
- Ambilight light system: LED wide color

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 1024	60Hz
1360 x 768	60Hz
1600 x 1200	60Hz
1920 x 1080	60Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	24, 25, 30, 50, 60Hz

Sound
- Output power (RMS): 2 x 12W
- Sound Enhancement: Incredible Surround, Treble and Bass Control
- Sound System: Nicam Stereo, BBE

Convenience
- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Ease of Installation: Auto Program Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, PLL Digital Tuning, Plug & Play
- Ease of Use: Auto Volume Leveller (AVL), Delta Volume per preset, Program List, Settings assistant Wizard, One-stop Home button, Favorite program selection
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide*
- Remote Control: Universal
- Remote control type: RC4495
- Screen Format Adjustments: Auto Format, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- Teletext: 1000 page Smart Text
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: DLNA media Browser, Internet browser, Net TV services, USB media browser
- Smart mode: Game, Cinema, Personal, Standard, Vivid

Multimedia Applications
- Multimedia connections: Ethernet-UTP5, USB
- Playback Formats: MP3, LPCM, WMA v2 up to v9.2, JPEG Still pictures, MPEG1, MPEG2, MPEG4, AVI, H.264/MPEG-4 AVC, MPEG-Progam-stream PAL, WMV9/VC1

Tuner/Reception/Transmission
- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- DVB: DVB-T MPEG4*, DVB-C MPEG4*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

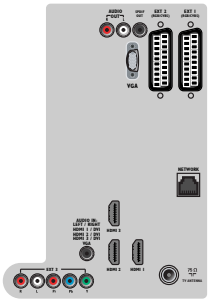
Connectivity
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- Ext 3: YPbPr, Audio L/R in
- Front / Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone out, USB
- PC network link: DLNA 1.0 certified
- Other connections: Analog audio Left/Right out, PC Audio in, PC-In VGA, S/PDIF out (coaxial), Common Interface Plus (CI+), Common Interface
- HDMI 1: HDMI v1.3
- HDMI 2: HDMI v1.3
- HDMI 3: HDMI v1.3
- EasyLink (HDMI-CEC): One touch play, Remote control pass-through, System audio control, System standby

Power
- Ambient temperature: 5 °C to 35 °C
- Mains power: 220 - 240V, 50Hz
- Power consumption (typical): 146 W
- Standby power consumption: 0.15 W

Dimensions
- Set dimensions (W x H x D): 996 x 603 x 88 mm
- Set dimensions with stand (W x H x D): 996 x 656 x 260 mm
- Weight incl. Packaging: 26.3 kg
- Product weight: 17.7 kg
- Product weight (+stand): 21.9 kg
- Box dimensions (W x H x D): 1203 x 682 x 266 mm
- Color cabinet: Black deco front with black speakers
- VESA wall mount compatible: 400 x 400 mm

Accessories
- Included accessories: Tabletop swivel stand, Power cord, Quick start guide, User Manual, Warranty certificate, Remote Control, Batteries for remote control

Rear connectors



Side

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* DVB-T, supported in selected countries only
* DVB-C in selected countries and for selected operators only. Most up to date information is available on the type plate of the TV.
* Net TV, service offering is dependent on country and subject to terms of use.